

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	32	injection adj blow adj mold \$3 with extrusion adj blow adj mold\$3 with pet	US-PGPUB; USPAT	OR	ON	2009/09/23 13:55
L2	4817	fus\$3 with PET	US-PGPUB; USPAT	OR	ON	2009/09/23 13:59
L3	9	2 and biaxial\$4 with blow adj mold\$3	US-PGPUB; USPAT	OR	ON	2009/09/23 13:59
S1	35054	blow adj mold\$4	US-PGPUB; USPAT	OR	ON	2009/01/08 16:21
S2	4389	compress with handle	US-PGPUB; USPAT	OR	ON	2009/01/08 16:21
S3	35	S1 and S2	US-PGPUB; USPAT	OR	ON	2009/01/08 16:21
S4	3	S3 and pet	US-PGPUB; USPAT	OR	ON	2009/01/08 16:21
S5	20743	pet and bottle	US-PGPUB; USPAT	OR	ON	2009/01/08 16:26
S6	3667	hand with compress	US-PGPUB; USPAT	OR	ON	2009/01/08 16:26
S7	22	S6 and S5	US-PGPUB; USPAT	OR	ON	2009/01/08 16:26
S8	1	"5057266".pn.	US-PGPUB; USPAT	OR	ON	2009/01/08 16:27
S9	24	("3744656" "4170623" "4280805" "4368826" "4378328" "4659531" "4713207" "4727997" "Re03116").PN. OR ("5057266").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 16:27
S10	15	("3342916" "3787170" "3928522" "4727997" "4988279" "4992230" "4993931" "5057266" "5080855" "5256341" "5275780" "5543107" "6277321").PN. OR ("6733716").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 16:32
S11	3	S9 and ultrasonic	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 16:33

S12	3	S10 and ultrasonic	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 16:34
S13	2488	convex adj profile	US-PGPUB; USPAT	OR	ON	2009/01/08 16:49
S14	2731	concave adj profile	US-PGPUB; USPAT	OR	ON	2009/01/08 16:49
S15	888	S13 and S14	US-PGPUB; USPAT	OR	ON	2009/01/08 16:49
S16	119	S15 and (mandrel or core)	US-PGPUB; USPAT	OR	ON	2009/01/08 16:49
S17	40	S16 and (parison or hollow or tube)	US-PGPUB; USPAT	OR	ON	2009/01/08 16:50
S18	1	"4422839".pn.	US-PGPUB; USPAT	OR	ON	2009/01/08 16:53
S19	31	("3078507" "3205534" "3281896" "3309443" "3355769" "3453690" "3909183" "3985490" "4124351" "4171195" "4279857").PN. OR ("4422839").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 16:54
S20	30	("3024494" "3114932" "3309443" "3586084" "3665063" "3914366" "3981672" "4045154" "4063865" "4075187" "4076121" "4173446" "4218416" "4258641" "4279857" "4318489" "4323339" "4374878" "4402898" "4406854" "4422839" "4496301" "4650629" "Re28068"). PN. OR ("4735834").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/08 17:03
S21	16	("3309443").URPN.	USPAT	OR	ON	2009/01/08 17:06
S22	1	"1685943"	EPO	OR	ON	2009/01/08 17:10
S23	1	"1004423"	EPO	OR	ON	2009/01/08 17:10
S24	1323	insert adj injection adj mold \$3	US-PGPUB; USPAT	OR	ON	2009/03/31 13:38
S25	94	S24 with bond\$4	US-PGPUB; USPAT	OR	ON	2009/03/31 13:38
S26	1	"5087406".pn.	US-PGPUB; USPAT	OR	ON	2009/03/31 13:44
S27	1	"5057266".pn.	US-PGPUB; USPAT	OR	ON	2009/03/31 13:51

S28	0	S24 with seam with (bottle or container)	US-PGPUB; USPAT	OR	ON	2009/03/31 13:59
S29	1	S24 with seam	US-PGPUB; USPAT	OR	ON	2009/03/31 13:59
S30	41	S24 with container	US-PGPUB; USPAT	OR	ON	2009/03/31 14:00
S31	19	S24 and (bottle or container) with PET	US-PGPUB; USPAT	OR	ON	2009/03/31 14:07
S32	83	S24 with (seal\$3 or seam)	US-PGPUB; USPAT	OR	ON	2009/03/31 14:09
S33	10078	264/500-574.ccls.	US-PGPUB; USPAT	OR	ON	2009/03/31 14:13
S34	6	S33 and (pet with handle). ab.	US-PGPUB; USPAT	OR	ON	2009/03/31 14:13
S35	7	("4659531" "4727997"). PN. OR ("4992230").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 14:14
S36	31	S33 and (pet with handle)	US-PGPUB; USPAT	OR	ON	2009/03/31 14:15
S37	29	S36 not S35	US-PGPUB; USPAT	OR	ON	2009/03/31 14:15
S38	1747	insert adj injection	US-PGPUB; USPAT	OR	ON	2009/03/31 14:17
S39	27	S38 and S33	US-PGPUB; USPAT	OR	ON	2009/03/31 14:17
S40	1	"4199129".pn.	US-PGPUB; USPAT	OR	ON	2009/03/31 14:19
S41	11	("3339232" "3736201"). PN. OR ("4199129").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 14:19
S42	1	"5087406".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 14:20
S43	19	("2991500" "3366290" "3444285" "3892828" "4079850").PN. OR ("5087406").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 14:20
S44	18	("3366290").URPN.	USPAT	OR	ON	2009/03/31 14:24
S45	947	insert adj injection	USPAT	OR	ON	2009/03/31 14:27
S46	1117	insert adj inject\$4	USPAT	OR	ON	2009/03/31 14:27
S47	21	S46 and S33	USPAT	OR	ON	2009/03/31 14:27
S48	12	("2262612" "3590114"). PN. OR ("4057609").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 14:30

S49	2	"3366290".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 14:35
S50	18	("3366290").URPN.	USPAT	OR	ON	2009/03/31 14:38
S51	14	S24 with ultrasonic	USPAT	OR	ON	2009/03/31 14:39
S52	25	S24 with ultrasonic	US-PGPUB; USPAT	OR	ON	2009/03/31 14:39
S53	1	"6450722".pn.	US-PGPUB; USPAT	OR	ON	2009/03/31 15:00
S54	29	("3022814" "3440117" "3499808" "3773205" "4106962" "4259419"). PN. OR ("4356926").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 15:03
S55	78	diaphragm adj gate	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 15:05
S56	1329	425/129.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 15:35
S57	1	S56 and bond with seam	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 15:35
S58	466	264/252.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 15:36
S59	0	S58 and pet same (container or bottle)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 15:36
S60	0	S58 and seasm	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 15:36
S61	20	S58 and seam	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 15:36
S62	1	"20020125254".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 15:38
S63	50	inject with resin with seal	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 15:41
S64	46	inject with resin with seal	US-PGPUB; USPAT	OR	ON	2009/03/31 15:42
S65	8	inject with resin with seal with cavity	US-PGPUB; USPAT	OR	ON	2009/03/31 15:42
S66	349	264/252.ccls.	US-PGPUB; USPAT	OR	ON	2009/03/31 15:44

S67	111	S66 and seal	US-PGPUB; USPAT	OR	ON	2009/03/31 15:44
S68	19	S66 and seam	US-PGPUB; USPAT	OR	ON	2009/03/31 15:44
S69	1524	(seam or seal or bond) with (resin or thermoplastic) with cavity	US-PGPUB; USPAT	OR	ON	2009/03/31 15:45
S70	73	S69 and S33	US-PGPUB; USPAT	OR	ON	2009/03/31 15:45
S71	7	("0762064" "3070479" "3072959").PN. OR ("5743988").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 15:47
S72	1329	425/129.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 15:58
S73	46	S72 and cavity with (bond or seam)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 15:58
S74	34	("4153667" "4177239" "4235837" "4241008" "4318882" "4372735" "4375442" "4379099" "4385089" "4397808" "4482518" "4512948" "4522779" "4550007" "4584158" "4589559" "4590021" "4603066" "4820795" "4836971" "4839127" "4846656" "4933135" "5145632" "5248533").PN. OR ("5540879").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 16:02
S75	3	injection adj weld\$3 with seam	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 16:13
S76	170	injection adj bond\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 16:13
S77	14	("3342916" "3787170" "3928522" "4727997" "4988279" "4992230" "4993931" "5057266" "5080855" "5256341" "5275780" "5543107" "6277321").PN. OR ("7153455").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 16:26
S78	19	("2951264" "3649728" "3662048" "3776991" "3781395").PN. OR ("3928522").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 16:29

S79	40	("3781395").URPN.	USPAT	OR	ON	2009/03/31 16:32
S80	28	("2715751" "2966702" "3012286" "3052916" "3399424" "3579622" "3718724" "3781395"). PN. OR ("3944642").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 16:34
S81	28	("2715751" "2966702" "3012286" "3052916" "3399424" "3579622" "3718724" "3781395"). PN. OR ("3944642").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/31 16:37
S82	34	("4153667" "4177239" "4235837" "4241008" "4318882" "4372735" "4375442" "4379099" "4385089" "4397808" "4482518" "4512948" "4522779" "4550007" "4584158" "4589559" "4590021" "4603066" "4820795" "4836971" "4839127" "4846656" "4933135" "5145632" "5248533").PN. OR ("5540879").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 07:40
S83	40	("3781395").URPN.	USPAT	OR	ON	2009/04/01 07:42
S84	15	("2951264" "3159697" "3649728" "3662048" "3776991" "3781395"). PN. OR ("4038006").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 07:45
S85	2	"3362043".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 07:55
S86	0	("2004/0108627").URPN.	USPAT	OR	ON	2009/04/01 08:06
S87	9	("0391167" "4629598" "4915241" "5469612" "5535901" "5637167" "5704506" "5918754" "5931324").PN.	USPAT	OR	ON	2009/04/01 08:11

S88	18	(US-20040108627-\$ or US-20020125254-\$).did. or (US-7153455-\$ or US-6733716-\$ or US-4735834-\$ or US-7048883-\$ or US-6712232-\$ or US-4356926-\$ or US-5540879-\$ or US-4057609-\$ or US-4992230-\$ or US-4123217-\$ or US-3781395-\$ or US-3944642-\$ or US-4038006-\$).did. or (US-3309443-\$ or US-3366290-\$ or US-3781395-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 08:53
S89	6	S88 and ultrasonic	US-PGPUB; USPAT	OR	ON	2009/04/01 08:53
S90	1992	ultrasonic with seam	US-PGPUB; USPAT	OR	ON	2009/04/01 08:54
S91	10078	264/500-574.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/01 08:54
S92	10078	S91	US-PGPUB; USPAT	OR	ON	2009/04/01 08:54
S93	1098	S90 and "27"	US-PGPUB; USPAT	OR	ON	2009/04/01 08:54
S94	7	S90 and S91	US-PGPUB; USPAT	OR	ON	2009/04/01 08:55
S95	1399	ultrasonic with handle	US-PGPUB; USPAT	OR	ON	2009/04/01 08:55
S96	11	S91 and S95	US-PGPUB; USPAT	OR	ON	2009/04/01 08:55
S97	34	("3115682" "3140329" "3163544").PN. OR ("4280859").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 08:58
S98	7788	handle with bond\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:02
S99	31	S91 and S98	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:02
S100	5	("5275780" "5543107" "6277321" "6733716" "7153455").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:03
S101	2	"3366290".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:14
S102	18	("3366290").URPN.	USPAT	OR	ON	2009/04/01 09:14

S103	42	("2991500" "3195752" "3366290" "3369690" "3444285" "3547294" "3892828" "4079850" "4116608" "4195053" "4816308" "4846359" "4868026" "4952133" "5087406" "5089208" "5232107" "5275780"). PN. OR ("5366101").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:15
S104	547	injection adj mold\$3 with flash	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:19
S105	5565	injection adj mold\$3 with (flash or flange or sprue)	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:19
S106	280	S105 with (container or bottle)	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:19
S107	64	injection adj mold\$3 with (flash or flange or sprue) with handle	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:20
S108	2513	inject\$3 with (resin or mold \$3) with bond	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:31
S109	9046	inject\$3 with (resin or mold \$3) with bond\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:31
S110	30	inject\$3 with (resin or mold \$3) with bond\$3 with seam	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:31
S111	1	"5480604".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:37
S112	12	inject\$3 with (resin or mold \$3) with bond\$3 with flash	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:38
S113	0	inject\$3 with (resin or mold \$3) near8 bond\$3 near8 flash	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:39
S114	7	inject\$3 with (resin or mold \$3) near8 bond\$3 with flash	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:39
S115	92	seam adj pucker\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:40
S116	1	"5808215".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:42

S117	62	inject\$3 with clamp\$3 with flange with (bond\$3 or seal \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:50
S118	67	(steve near2 smith).in.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:52
S119	8	S118 and flange	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:52
S120	69	overmold\$3 and S91	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:53
S121	11	(overmold\$3 with (bond or adhere or seam)) and S91	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:54
S122	16	(overmold\$3 with (bond\$3 or adhere or seam)) and S91	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:54
S123	6	injection adj attach\$4 with flange	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 09:57
S124	667	425/525.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 13:08
S125	22	("3538543" "3564087" "3740181").PN. OR ("3983199").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 13:15
S126	6	("3579620").URPN.	USPAT	OR	ON	2009/04/01 13:19
S127	1	("1127381").URPN.	USPAT	OR	ON	2009/04/01 13:32
S128	98	426/116.ccls.	USPAT	OR	ON	2009/04/01 13:34
S129	665	425/112.ccls.	USPAT	OR	ON	2009/04/01 13:37
S130	10078	264/500-574.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/01 14:04
S131	110	S130 and heat adj bond\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 14:04
S132	0	S130 and heat adj bond\$3 with handle	US-PGPUB; USPAT	OR	ON	2009/04/01 14:05
S133	4	S130 and heat adj bond\$3 same handle	US-PGPUB; USPAT	OR	ON	2009/04/01 14:05
S134	301	S130 and ultrasonic	US-PGPUB; USPAT	OR	ON	2009/04/01 14:07
S135	8	S124 and ultrasonic	US-PGPUB; USPAT	OR	ON	2009/04/01 14:07

S136	12	S130 and ultrasonic same handle	US-PGPUB; USPAT	OR	ON	2009/04/01 14:08
S137	301	S130 and ultrasonic	US-PGPUB; USPAT	OR	ON	2009/04/01 15:07
S138	307	S130 and (ultrasonic or ultra adj sonic)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:07
S139	109	S130 and (ultrasonic or ultra adj sonic) same (ahndle or seam or bond \$3)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:07
S140	1	("20020171161").PN.	US-PGPUB; USPAT	OR	ON	2009/04/01 15:10
S141	47190	seal with container	US-PGPUB; USPAT	OR	ON	2009/04/01 15:12
S142	322	S141 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:12
S143	1	"3740181".pn.	US-PGPUB; USPAT	OR	ON	2009/04/01 15:12
S144	22	("2715751" "2966702" "3106745" "3204018" "3477097" "3635635").PN. OR ("3740181").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 15:13
S145	22	("3538543" "3564087" "3740181").PN. OR ("3983199").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 15:15
S146	20	(US-20040108627-\$ or US-20020125254-\$).did. or (US-7153455-\$ or US-6733716-\$ or US-4735834-\$ or US-7048883-\$ or US-6712232-\$ or US-4356926-\$ or US-5540879-\$ or US-4057609-\$ or US-4992230-\$ or US-4123217-\$ or US-3781395-\$ or US-3944642-\$ or US-4038006-\$ or US-3983199-\$ or US-3579620-\$).did. or (US-3309443-\$ or US-3366290-\$ or US-3781395-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 15:15
S147	0	S146 and (grind\$3 or ground)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:15
S148	3	S146 and (flash)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:15
S149	2	S146 and tail\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 15:19
S150	0	S124 and (bond with seam)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:21

S151	16	S124 and (grind or remove) with (flash or tail \$4)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:21
S152	16	S124 and (grind\$3 or remove) with (flash or tail \$4)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:21
S153	65	S124 and (grind\$3 or remov \$3) with (flash or tail\$4)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:22
S154	534	425/525.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/01 15:28
S155	14257	(flash or tail\$4 or sprue) with (ground or grind\$3 or comfortable or uncomfortable or handle)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:29
S156	9302	(flash or tail\$4 or sprue) with (ground or grind\$3)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:29
S157	20	S156 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:30
S158	4845	(flash or tail\$4 or sprue) with (handle)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:33
S159	20	S157 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:33
S160	20	S159 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:33
S161	38	S158 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:33
S162	318	(flash or tail\$4 or sprue) with (comfortable or uncomfortable)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:35
S163	0	S162 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:35
S164	12941	(flash or tail\$4 or sprue) with (hand)	US-PGPUB; USPAT	OR	ON	2009/04/01 15:35
S165	36	S164 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:35
S166	6459	comfortable with handle	US-PGPUB; USPAT	OR	ON	2009/04/01 15:41
S167	3070	bond with flange	US-PGPUB; USPAT	OR	ON	2009/04/01 15:41
S168	1	S166 same S167	US-PGPUB; USPAT	OR	ON	2009/04/01 15:41
S169	12758	ultrasonic with seal\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 15:43
S170	37	S169 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 15:43

S171	35	("3342916" "3362043" "3366290" "3369690" "3400846" "3444285" "3746200" "3892828" "3944642" "3983199" "4799129" "4969571" "4988279" "5232107" "5275780").PN. OR ("5392950").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 15:47
S172	4783	(flash or sprue or tail\$3) with finger	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 15:51
S173	4783	S172 and finger	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 15:51
S174	7	S172 and S130	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 15:51
S175	7549	(seal or bond) near6 handle	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 16:14
S176	8	S175 and S124	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 16:14
S177	2	"3366290".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 16:15
S178	18	("3366290").URPN.	USPAT	OR	ON	2009/04/01 16:15
S179	1864	bonding with compressed	USPAT	OR	ON	2009/04/01 16:22
S180	2791	bonding with compressed	US-PGPUB; USPAT	OR	ON	2009/04/01 16:22
S181	15088	bonding with compress\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 16:22
S182	0	S181 with S130	US-PGPUB; USPAT	OR	ON	2009/04/01 16:22
S183	74	S181 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 16:22
S184	287	ultrasonic with weld\$3 with handle	US-PGPUB; USPAT	OR	ON	2009/04/01 16:25
S185	17	S184 and pet	US-PGPUB; USPAT	OR	ON	2009/04/01 16:25
S186	1	"3366290".pn.	US-PGPUB; USPAT	OR	ON	2009/04/01 16:34

S187	22	(US-20040108627-\$ or US-20020125254-\$).did. or (US-7153455-\$ or US-6733716-\$ or US-4735834-\$ or US-7048883-\$ or US-6712232-\$ or US-4356926-\$ or US-5540879-\$ or US-4057609-\$ or US-4992230-\$ or US-4123217-\$ or US-3781395-\$ or US-3944642-\$ or US-4038006-\$ or US-3983199-\$ or US-3579620-\$ or US-3892828-\$ or US-5392950-\$).did. or (US-3309443-\$ or US-3366290-\$ or US-3781395-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/01 16:52
S188	290705	S187 shear\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 16:53
S189	2	S187 and shear\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 16:53
S190	2345407	partial\$3 shear\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 16:55
S191	6584	partial\$3 with shear\$3	US-PGPUB; USPAT	OR	ON	2009/04/01 16:55
S192	24	S191 and S130	US-PGPUB; USPAT	OR	ON	2009/04/01 16:55
S193	14	("3342916" "3787170" "3928522" "4727997" "4988279" "4992230" "4993931" "5057266" "5080855" "5256341" "5275780" "5543107" "6277321").PN. OR ("7153455").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 09:39
S194	10080	264/500-574.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/02 09:39
S195	0	S194 and ultrasonic	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 09:39
S196	301	S194 and ultrasonic	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 09:39
S197	11	S194 and ultrasonic with handle	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 09:39

S198	23	(US-20040108627-\$ or US-20020125254-\$ or US-20020171161-\$).did. or (US-7153455-\$ or US-6733716-\$ or US-4735834-\$ or US-7048883-\$ or US-6712232-\$ or US-4356926-\$ or US-5540879-\$ or US-4057609-\$ or US-4992230-\$ or US-4123217-\$ or US-3781395-\$ or US-3944642-\$ or US-4038006-\$ or US-3983199-\$ or US-3579620-\$ or US-3892828-\$ or US-5392950-\$).did. or (US-3309443-\$ or US-3366290-\$ or US-3781395-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 11:38
S199	1	S198 and heat\$3 with tip	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 11:39
S200	667	425/525.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 11:40
S201	5	S200 and heat\$3 with tip	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 11:40
S202	648295	"23" and cryst\$	US-PGPUB; USPAT	OR	ON	2009/04/02 11:45
S203	6	S198 and cryst\$	US-PGPUB; USPAT	OR	ON	2009/04/02 11:45
S204	2	"3362043".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 11:56
S205	8	S198 and heated	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 11:59
S206	0	punch adj press with heated adj tip	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 12:13
S207	3	(penetrate or shear\$3) and S198	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 12:14
S208	204	425/537.ccls.	US-PGPUB; USPAT	OR	ON	2009/04/02 13:12
S209	0	punch with perforate with pet	US-PGPUB; USPAT	OR	ON	2009/04/02 13:13
S210	450	punch with perforate	US-PGPUB; USPAT	OR	ON	2009/04/02 13:14
S211	14	punch with perforate with container	US-PGPUB; USPAT	OR	ON	2009/04/02 13:14

S212	1713222	cut\$	US-PGPUB; USPAT	OR	ON	2009/04/02 13:15
S213	6	S212 and S198	US-PGPUB; USPAT	OR	ON	2009/04/02 13:15
S214	667	425/525.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:17
S215	68	S214 and pet	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:18
S216	14	("3342916" "3787170" "3928522" "4727997" "4988279" "4992230" "4993931" "5057266" "5080855" "5256341" "5275780" "5543107" "6277321").PN. OR ("7153455").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:21
S217	362	425/531.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:23
S218	14	S217 and perforat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:23
S219	667	425/525.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:40
S220	44	("2908034" "2951264" "3019480" "3115682" "3144493" "3268641" "3347420" "3538543" "3729553" "4065536" "4548322" "5052590" "5114659" "5135702" "5223245").PN. OR ("5882574").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:45
S221	19	("2991500" "3366290" "3444285" "3892828" "4079850").PN. OR ("5087406").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:49
S222	12	("3160326" "4195728" "4796937" "4960225" "5087406" "5232107" "5429263" "5467915"). PN. OR ("5711061").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:52
S223	19	("3649728" "3781395" "3844698" "3850562" "3892513" "3928522" "RE23564").PN. OR ("4123217").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:55

S224	10	("3564087" "3983199"). PN. OR ("4086314").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 13:55
S225	17	("3499071").URPN.	USPAT	OR	ON	2009/04/02 14:03
S226	36	("20030039780" "3120679" "3285454" "3369690" "3417892" "3481501" "3499071" "3534435" "3564087" "3679785" "3793422" "3795162" "3892828" "3942932" "4266927" "4497855" "4518558" "4579260" "4846359" "5005716" "5191988" "5232107" "5275780" "5392950" "5477974" "6773716" "D397291"). PN. OR ("7431170").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 14:03
S227	1	"20020125254".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 14:58
S228	27	heat\$2 with punch with thick	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:04
S229	174	heat\$2 with punch with thick\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:05
S230	6266	finger near2 groove	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:15
S231	7	S230 same blow adj mold \$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:15
S232	34	("4153667" "4177239" "4235837" "4241008" "4318882" "4372735" "4375442" "4379099" "4385089" "4397808" "4482518" "4512948" "4522779" "4550007" "4584158" "4589559" "4590021" "4603066" "4820795" "4836971" "4839127" "4846656" "4933135" "5145632" "5248533").PN. OR ("5540879").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:17
S233	1092	(post adj mold) or (postmold)	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:28

S234	127	S233 same container	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:29
S235	3295	(post adj mold\$3) or (postmold\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:29
S236	281	S235 same container	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:29
S237	10	S236 same (finger or hand or grip)	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:29
S238	10	("3564087" "3983199"). PN. OR ("4086314").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:30
S239	17	("3499071").URPN.	USPAT	OR	ON	2009/04/02 15:32
S240	36	("20030039780" "3120679" "3285454" "3369690" "3417892" "3481501" "3499071" "3534435" "3564087" "3679785" "3793422" "3795162" "3892828" "3942932" "4266927" "4497855" "4518558" "4579260" "4846359" "5005716" "5191988" "5232107" "5275780" "5392950" "5477974" "6773716" "D397291"). PN. OR ("7431170").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:32
S241	88	("2982440" "3403804" "3409167" "3733309" "3911071" "3934743" "4125632" "4199629" "4233022" "4247012"). PN. OR ("4497855").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:34
S242	66	("3934743" "4035455" "4496517" "4497855" "4818575" "5005716" "5067622" "5122327" "5191987" "5250335" "5261545" "5308233" "5378421" "5389332"). PN. OR ("5735420").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:38
S243	193	S238 or S239 or S240 or S241 or S242	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:44
S244	41	S243 and grip	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:44

S245	0	S244 and secondary with mold\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:52
S246	0	S244 and second\$3 with mold\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:52
S247	9	S244 and second\$3 with mold\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:52
S248	160	264/530.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:54
S249	21	S248 and grip	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:55
S250	110	S248 and container	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:57
S251	11	("3865912" "4550007" "5248533" "5308233" "5378421" "5382157" "5501590" "5520877" "5585065" "5641451"). PN. OR ("6080353").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 15:59
S252	2	"3499071".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 16:05
S253	17	("3499071").URPN.	USPAT	OR	ON	2009/04/02 16:05
S254	36	("20030039780" "3120679" "3285454" "3369690" "3417892" "3481501" "3499071" "3534435" "3564087" "3679785" "3793422" "3795162" "3892828" "3942932" "4266927" "4497855" "4518558" "4579260" "4846359" "5005716" "5191988" "5232107" "5275780" "5392950" "5477974" "6773716" "D397291"). PN. OR ("7431170").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 16:06
S255	144	second adj blow adj mold	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 16:07
S256	1	S255 and containe	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 16:07

S257	91	S255 and container	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 16:07
S258	362	425/531.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 16:23
S259	404856	grip	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 16:33
S260	313	container with handle with grooves	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 16:34
S261	23	container with handle with grooves with grip\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 16:34
S262	6	S198 and pet	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 17:04
S263	191	pet with container with clear	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/02 17:08
S264	1	"6040045".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/04/03 09:07
S265	792	(seam or seal) with protect \$3 with (recess\$3 or indent \$5)	US-PGPUB; USPAT	OR	ON	2009/04/19 15:01
S266	12	S265 and blow adj mold\$3	US-PGPUB; USPAT	OR	ON	2009/04/19 15:02
S267	1	"3008192".pn.	US-PGPUB; USPAT	OR	ON	2009/09/23 10:42
S268	1	"3740181".pn.	US-PGPUB; USPAT	OR	ON	2009/09/23 10:46
S269	145	injection adj extrusion adj blow adj mold\$3	US-PGPUB; USPAT	OR	ON	2009/09/23 12:29
S270	9	S269 with injection adj blow adj mold\$3	US-PGPUB; USPAT	OR	ON	2009/09/23 12:29
S271	1	S270 and pet	US-PGPUB; USPAT	OR	ON	2009/09/23 12:29
S272	11	S269 same injection adj blow adj mold\$3	US-PGPUB; USPAT	OR	ON	2009/09/23 12:30
S273	1	S272 and pet	US-PGPUB; USPAT	OR	ON	2009/09/23 12:30
S274	545	425/525.ccls.	US-PGPUB; USPAT	OR	ON	2009/09/23 12:33
S275	67	S274 and injection adj blow adj mold\$3	US-PGPUB; USPAT	OR	ON	2009/09/23 12:33
S276	12	S275 and pet	US-PGPUB; USPAT	OR	ON	2009/09/23 12:33

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